



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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DEC 28 2001

TECHNOLOGY CENTER 3700

In re Application of: )  
PRAUSNITZ, et al. )  
Serial No. 09/453,109 )  
Filed: December 2, 1999 )  
For: Microneedle Device )  
For Extraction And )  
Sensing of Bodily Fluids )  
Art Unit: 3736  
Examiner: M. Kremer

**REQUEST FOR APPROVAL OF DRAWING CHANGES**

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.121(a)(3), applicants respectfully request approval for changes to the drawings indicated in red on the attached photocopies of Figures 4, 5A, 7D, 9D, 9E, and 10D. The changes are being made to correct obvious labeling errors in these figures. This Request is being submitted with an Amendment and Response to Office Action.

Figure 4 has been amended to identify reservoir 216, which is described in the specification at page 9, lines 3 and 14-20 as reservoir 16 and which was inadvertently omitted in the informal drawing originally filed with the application.

Figure 5A has been amended to show and identify photoresist layer 84, which is described in the specification at page 20, lines 7-8, and which was inadvertently omitted in the informal drawings originally filed with the application.

U.S.S.N. 09/453,109  
Filed: December 2, 1999  
**REQUEST FOR APPROVAL  
OF DRAWING CHANGES**

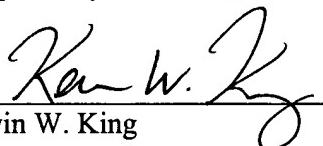
Figure 7D has been amended to remove numeral/arrow 124, since, as described in the specification at page 25, lines 7-13, array 124 of needle forms 126 is not present in Fig. 7D. The inclusion of numeral/arrow 124 in the informal drawings was an obvious error.

Figures 9D and 9E have been amended to include numeral 145 to label the NiFe layer described at page 36, lines 25-27 and labeled as the "electroplated structure" in the informal drawings.

Figure 10D has been amended to show the NiFe layer described at page 37, lines 25-28 and labeled as the "released structure" in the informal drawings. Figure 10D also has been amended to include numeral 55 to label this NiFe layer.

No new matter has been introduced by these drawing changes. Prompt and favorable action on the merits is respectfully requested.

Respectfully submitted,

  
\_\_\_\_\_  
Kevin W. King  
Reg. No. 42,737

Date: December 12, 2001

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Attorney Docket No. 17625-0013

DEC 26 2001

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRADE**  
**EE TRANSMITTAL**  
**for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 721.00)

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   | 09/453,109       |
| Filing Date          | December 2, 1999 |
| First Named Inventor | Prausnitz        |
| Examiner Name        | M. Kremer        |
| Group Art Unit       | 3736             |
| Attorney Docket No.  | 17625-0013       |

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- |                        |         |
|------------------------|---------|
| Deposit Account Number | 19-5029 |
| Deposit Account Name   |         |
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Applicant claims small entity status. See 37 CFR 1.27
2.  Payment Enclosed:
- |   |                                      |                                      |                                |
|---|--------------------------------------|--------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> Check | <input type="checkbox"/> Credit card | <input type="checkbox"/> Money Order | <input type="checkbox"/> Other |
|---|--------------------------------------|--------------------------------------|--------------------------------|

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description        | Fee Paid |
|--------------|--------------|---------------|---------------|------------------------|----------|
| 101          | 740          | 201           | 370           | Utility filing fee     |          |
| 106          | 330          | 206           | 165           | Design filing fee      |          |
| 107          | 510          | 207           | 255           | Plant filing fee       |          |
| 108          | 740          | 208           | 370           | Reissue filing fee     |          |
| 114          | 160          | 214           | 80            | Provisional filing fee |          |

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES**

| Total Claims       | Independent Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------------|--------------|----------------|----------|
| 46                 | -37                | = 9          | x 9            | = 81     |
| 5                  | -5                 | = 0          | x 0            | =        |
| Multiple Dependent |                    |              |                |          |

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description  |
|--------------|--------------|---------------|---------------|--|
| 103          | 18           | 203           | 9             | Claims in excess of 20                                     |
| 102          | 84           | 202           | 42            | Independent claims in excess of 3                          |
| 104          | 280          | 204           | 140           | Multiple dependent claim, if not paid                      |
| 109          | 84           | 209           | 42            | ** Reissue independent claims over original patent         |
| 110          | 18           | 210           | 9             | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 81.00)

**3. ADDITIONAL FEES**

| Fee Code (\$)                     | Large Entity | Small Entity | Fee Description   | Fee Paid                 |
|-----------------------------------|--------------|--------------|---|--------------------------|
| 105                               | 130          | 205          | 65 Surcharge - late filing fee or oath  |                          |
| 127                               | 50           | 227          | 25 Surcharge - late provisional filing fee or cover sheet                     |                          |
| 139                               | 130          | 139          | 130 Non-English specification   |                          |
| 147                               | 2,520        | 147          | 2,520 For filing a request for ex parte reexamination                         |                          |
| 112                               | 920*         | 112          | 920* Requesting publication of SIR prior to Examiner action                   |                          |
| 113                               | 1,840*       | 113          | 1,840* Requesting publication of SIR after Examiner action                    |                          |
| 115                               | 110          | 215          | 55 Extension for reply within first month                                     |                          |
| 116                               | 400          | 216          | 200 Extension for reply within second month                                   | 460.00                   |
| 117                               | 920          | 217          | 460 Extension for reply within third month                                    |                          |
| 118                               | 1,440        | 218          | 720 Extension for reply within fourth month                                   |                          |
| 128                               | 1,960        | 228          | 980 Extension for reply within fifth month                                    |                          |
| 119                               | 320          | 219          | 160 Notice of Appeal  |                          |
| 120                               | 320          | 220          | 160 Filing a brief in support of an appeal                                    |                          |
| 121                               | 280          | 221          | 140 Request for oral hearing  |                          |
| 138                               | 1,510        | 138          | 1,510 Petition to institute a public use proceeding                           |                          |
| 140                               | 110          | 240          | 55 Petition to revive - unavoidable   |                          |
| 141                               | 1,280        | 241          | 640 Petition to revive - unintentional  |                          |
| 142                               | 1,280        | 242          | 640 Utility issue fee (or reissue)  |                          |
| 143                               | 460          | 243          | 230 Design issue fee  |                          |
| 144                               | 620          | 244          | 310 Plant issue fee   |                          |
| 122                               | 130          | 122          | 130 Petitions to the Commissioner   |                          |
| 123                               | 50           | 123          | 50 Processing fee under 37 CFR 1.17(q)  |                          |
| 126                               | 180          | 126          | 180 Submission of Information Disclosure Stmt                                 | 180.00                   |
| 581                               | 40           | 581          | 40 Recording each patent assignment per property (times number of properties) |                          |
| 146                               | 740          | 246          | 370 Filing a submission after final rejection (37 CFR § 1.129(a))             |                          |
| 149                               | 740          | 249          | 370 For each additional invention to be examined (37 CFR § 1.129(b))          |                          |
| 179                               | 740          | 279          | 370 Request for Continued Examination (RCE)                                   |                          |
| 169                               | 900          | 169          | 900 Request for expedited examination of a design application                 |                          |
| Other fee (specify)               |              |              |   |                          |
| *Reduced by Basic Filing Fee Paid |              |              |   | SUBTOTAL (3) (\$ 640.00) |

\*or number previously paid, if greater; For Reissues, see above

**SUBMITTED BY**

Complete (if applicable)

|                   |               |                                      |                   |           |              |
|-------------------|---------------|--------------------------------------|-------------------|-----------|--------------|
| Name (Print/Type) | Kevin W. King | Registration No.<br>(Attorney/Agent) | 42,737            | Telephone | 404-853-8068 |
| Signature         |               | Date                                 | December 12, 2001 |           |              |

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.